

Serial No. 10/824,214
28 December 2004 Reply to
24 August 2004 Office Action

Amendments to the Claims:

Please cancel claims 3-4. The following listing of claims will replace all prior versions and listings of the claims in the application:

Listing of Claims:

1. (Currently Amended) A method of determining ~~an-analyte~~ glucose concentration in a tissue of a subject, the subject including an eye with an ocular surface and a conjunctiva surface, comprising the steps:
 - a. exposing at least a portion of the conjunctiva surface of the subject to electromagnetic radiation without contact with the ocular surface;
 - b. detecting electromagnetic radiation reflected from the conjunctiva without contact with the ocular surface; and,
 - c. determining a radiation signature of said reflected electromagnetic radiation to determine ~~an-analyte~~ glucose concentration in the tissue of the subject.
2. (Original) The method of Claim 1, wherein said method is non-invasive and wherein said subject is a human.
- 3-4 (Cancelled)
5. (Original) The method of Claim 1, wherein said electromagnetic radiation is mid-infrared radiation.
6. (Original) The method of Claim 5, wherein the mid-infrared radiation is in a wavelength range of about 2.5 microns to about 25.0 microns.
7. (Original) The method of Claim 1, wherein said detecting step further comprises selecting at least one wavelength within said reflected electromagnetic radiation.

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8. (Original) The method of Claim 7, wherein said selecting of said reflected electromagnetic radiation further comprises filtering said reflected electromagnetic radiation.
9. (Original) The method of Claim 1, wherein said determining step further comprises using a microprocessor.
10. (Original) The method of Claim 1, wherein said reflected electromagnetic radiation comprises infrared radiation having a wavelength range between about 2.5 microns to about 25.0 microns.
11. (Previously Amended) The method of Claim 10, wherein said reflected infrared radiation is within the wavelength range between about 8.0 microns to about 11.0 microns.
12. (Cancelled)
13. (Currently Amended) A method of downloading and storing a subject's measured analyteglucose concentration, comprising the steps of:
 - a. measuring said analyteglucose concentration according to the method of Claim 1 using a non-invasive instrument having a communications interface;
 - b. connecting said non-invasive instrument through said communications interface to a computer system having a computer processor, a computer program which executes in said computer processor, and an analogous communications interface; and
 - c. downloading from said non-invasive instrument to said computer system said measured analyteglucose concentrations.